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Maintenance

**EXTERNAL FUEL TANK REPAIR AND
CONTROL**



COMPLIANCE WITH THIS PUBLICATION IS MANDATORY

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This instruction establishes procedures for the control, maintenance, and storage of assigned external fuel tanks and should enhance serviceability and appearance. It implements AFRPD 21-1, *Managing Aerospace Equipment Maintenance*. This instruction applies to activities within the 944th Fighter Wing.

SUMMARY OF REVISIONS

This revision changes the Office of Primary Responsibility (OPR), reorganizes text, clarifies areas of responsibility, and changes organizational designations.

1. Introduction. This instruction defines responsibilities for the maintenance, inspection, storage, and control of external fuel tanks within the 944th Fighter Wing.

2. Responsibilities:

2.1. The 944th Maintenance Squadron (MXS) Fuel Systems Section will:

- 2.1.1. Assume overall responsibility for the management, maintenance, inspection and storage of assigned external fuel tanks.
- 2.1.2. Inventory and control assigned external fuel tanks by using the Special Purpose Recoverable Authorized Maintenance System (SPRAMS) and Core Automated Maintenance System (CAMS).
- 2.1.3. Ensure the tank storage area contains an adequate supply of caps, covers, and racks to properly store external fuel tanks.
- 2.1.4. Perform Pin Protrusion Checks on 370 gallon external fuel tanks prior to releasing tanks to the aircraft crew chief.
- 2.1.5. Maintain AFTO Form 95, **Significant Historical Data**, on all assigned external fuel tanks.

2.2. The 302 FS/MA will:

- 2.2.1. Notify Fuel Systems section at the beginning of the shift or as soon as practical of external fuel tank requirements.
- 2.2.2. Control and issue attaching hardware for external fuel tank installation on aircraft
- 2.2.3. Transport external fuel tanks to and from the aircraft and the external fuel tank storage area. Two personnel will be utilized when removing tanks from storage racks.
- 2.2.4. Upon removal of external fuel tanks from aircraft, ensure the tank is returned to the storage area, properly covered, and placed back in storage racks. Two personnel will be utilized when placing tanks into storage racks.
- 2.2.5. Once external fuel tanks are returned to storage racks, ensure that either a AFTO Form 350, **Repairable Item Processing Tag** or DD Form 1574, **Material Serviceable Tag** is affixed to the tanks as applicable to tank serviceability.
- 2.2.6. Ensure that when external fuel tanks are installed on aircraft, that the tank is loaded in CAMS to the aircraft tail number using the appropriate job standard (JST) and tank serial number.
- 2.2.7. Ensure that unserviceable external fuel tanks are reported to the Fuel Systems Section supervisor or designate.

CRAIG S. FERGUSON, Colonel, USAFR
Commander

Attachment 1

GLOSSARY OF REFERENCES AND SUPPORTING INFORMATION

References

AFI 21-103, *Equipment Inventory, Status, and Utilization Reporting*

AFM 23-110,V2, *Supply Basic Procedures*

AFCSM 21-563 V2, *Core Automated Maintenance System (CAMS), DSD: G054/FS Job Data Documentation, Users Manual*

T.O. 6J14-2-39-2, *370-Gallon Tank Illustrated Parts Breakdown (IPB) and Maintenance Instructions*

T.O. 6J14-2-40-2, *300-Gallon Tank IPB and Maintenance Instructions*

T.O. 00-20-2, *The Maintenance Data Collection System*

T.O. 1F-16C-21, *Aircraft and Missile Equipment Accountability*